

For Research Use Only

# TIM3 Monoclonal antibody

Catalog Number: 60355-1-Ig **21 Publications**



## Basic Information

<b>Catalog Number:</b> 60355-1-Ig	<b>GenBank Accession Number:</b> BC020843	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84868	<b>CloneNo.:</b> 4C4G3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TDQ0	<b>Recommended Dilutions:</b> WB: 1:1000-1:10000 IF-P: 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> hepatitis A virus cellular receptor 2	
<b>Immunogen Catalog Number:</b> AG16901	<b>Calculated MW:</b> 301 aa, 33 kDa	
	<b>Observed MW:</b> 33 kDa, 50-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF	<b>WB :</b> Daudi cells, PC-3 cells, pig thymus tissue, ROS1728 cells, human heart tissue, RAW 264.7 cells, rat heart tissue
<b>Species Specificity:</b> human, mouse, rat, pig	<b>IF-P :</b> human tonsillitis tissue,
<b>Cited Species:</b> human, mouse, rat, pig	

## Background Information

TIM3, also known as HAVCR2, is a member of the recently discovered T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection (PMID: 23180819). TIM3 is expressed by T-helper type 1 (Th1) cells, macrophage, monocyte, dendritic cells, CD8+ T cell and other lymphocyte subsets. Galectin-9 is a ligand for TIM3. TIM3-galectin-9 pathway negatively regulates T helper type 1 immunity (PMID: 16286920). TIM3 is a 280-aa membrane protein with a calculated molecular weight of 33 kDa, the higher molecular weights between 50 and 70 kDa detected by this monoclonal antibody probably represent glycosylated TIM3 (PMID: 20107545; 17069754; 11725301).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qing Guo	36325060	iScience	WB,IF
Fan Wu	32418210	J Pathol	
Inés Ruedas-Torres	34046040	Front Immunol	

## Storage

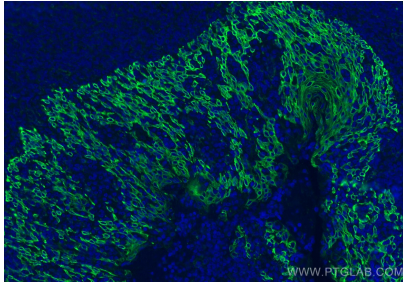
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

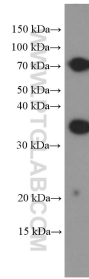
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TIM3 antibody (60355-1-Ig, Clone: 4C4G3 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Daudi cells were subjected to SDS PAGE followed by western blot with 60355-1-Ig (TIM3 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.